ORDER NO. SD7807-1407

Service Manual

SU-9011/K

Stereo Preamplifier

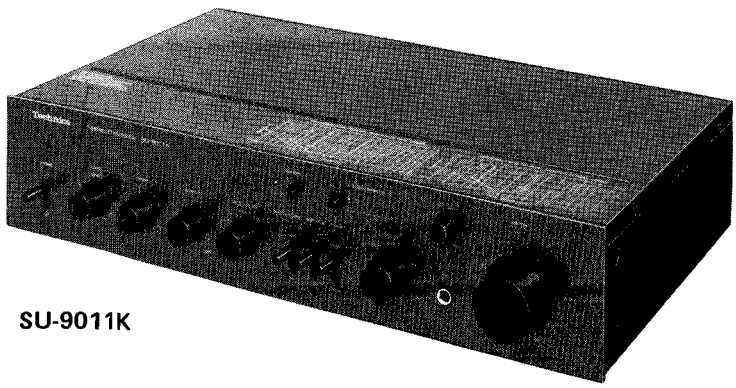
SU-9011

(E), (EG), (X), (XA),
(XE), (XGF), (XGH)

SU-9011K

(E), (EG), (XGH)

SU-9011



SU-9011K

* The models SU-9011 (E, EG) and SU-9011K (E, EG) are available in Scandinavia and European only.
* The models SU-9011 (X) and SU-9011 (XA) are available in Asia, Latin America, Middle East and Africa only.
* The model SU-9011 (XE) is available in United Kingdom only.
* The model SU-9011 (XGF) is available in France only.
* The models SU-9011 (XGH) and SU-9011K (XGH) are available in Holland only.

TECHNICAL SPECIFICATIONS (Specifications are subject to change without notice for further improvement.)

(DIN 45 500)

AMPLIFIER SECTION

Input sensitivity & impedance

PHONO 1 MC	70 μV/10 Ω
PHONO 1 MM, PHONO 2	2.5 mV/47 kΩ
TUNER, AUX	150 mV/47 kΩ
TAPE 2 (PLAYBACK)	150 mV/47 kΩ
TAPE 1 (PLAYBACK), REC/PLAY (input)	180 mV/47 kΩ
MIC	4 mV/10 kΩ

Phono maximum input voltage (1 kHz, RMS)

PHONO 1 MC	6 mV
PHONO 1 MM, PHONO 2	200 mV

MIC maximum input voltage (1 kHz, RMS) 100 mV (T.H.D. 0.05%)

Rated total harmonic distortion 0.008%

S/N

rated output	**PHONO 1 MC**	62 dB (IHF, A: 69 dB)
	PHONO 1 MM, PHONO 2	75 dB (IHF, A: 88 dB)
	TUNER, AUX	85 dB (IHF, A: 100 dB)
	MIC	65 dB (IHF, A: 73 dB)
–26 dB output	**PHONO 1 MC**	60 dB
	PHONO 1 MM, PHONO 2	62 dB
	TUNER, AUX	63 dB
	MIC	60 dB

Frequency response

PHONO 1, 2 (30 Hz ~ 15 kHz)	RIAA standard curve ±0.2 dB
TUNER, AUX	20 Hz ~ 20 kHz, +0, –0.2 dB 5 Hz ~ 40 kHz, –1 dB
MIC	20 Hz ~ 45 kHz, +0, –3 dB

Total harmonic distortion (20 Hz ~ 20 kHz)

PHONO 1 MC	1 V output (volume at –20 dB) 0.02% 3 V output (volume at 0 dB) 0.03%
PHONO 1 MM, PHONO 2	1 V output (volume at –20 dB) 0.01% 3 V output (volume at 0 dB) 0.008%
TUNER, AUX	1 V output (volume at –20 dB) 0.008% 3 V output (volume at 0 dB) 0.005%

Tone control

Bass	50 Hz, +8 dB ~ –8 dB
Treble	20 kHz, +8 dB ~ –8 dB
Subsonic filter	30 Hz, –12 dB/oct
High filter	7 kHz, –6 dB/oct
Loudness control (volume at –30 dB)	50 Hz +9 dB

Output voltage & impedance

OUTPUT, MIXING REC OUT	**rated**	1 V/600 Ω
	maximum	5 V/600 Ω
TAPE 1, 2 (REC OUT)		150 mV
REC/PLAY (output)		30 mV/82 kΩ
Channel separation, AUX 1 kHz		53 dB

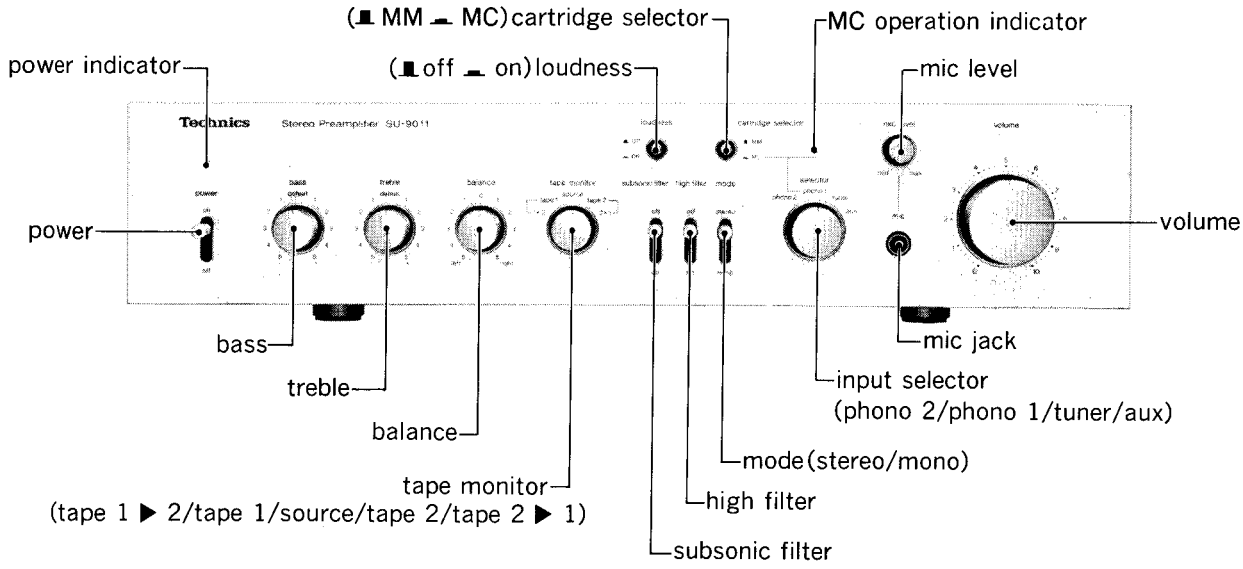
GENERAL

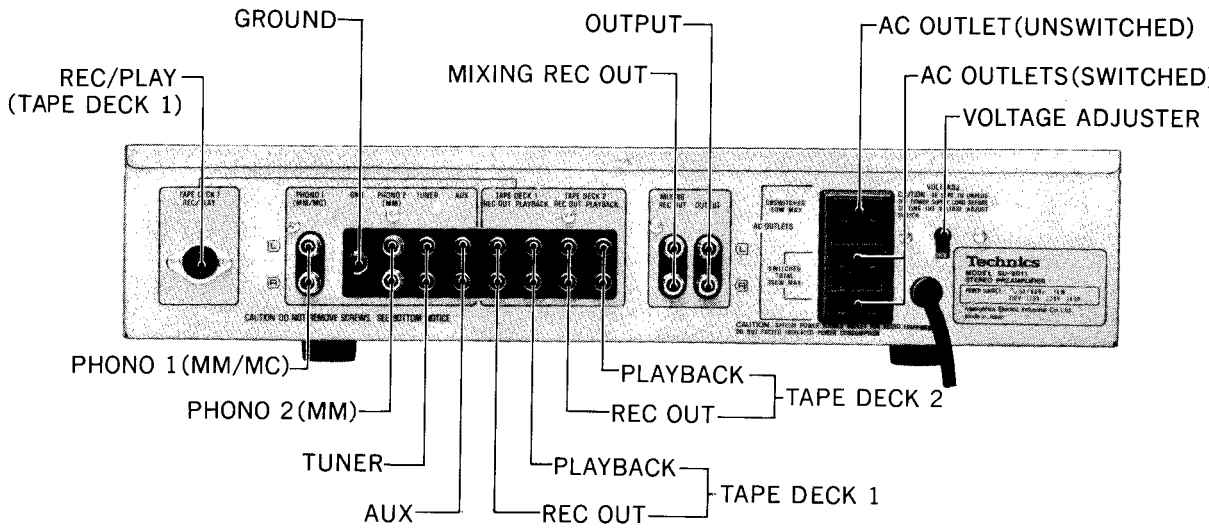
Power consumption	16 W
Power supply	AC 50/60 Hz, 110, 120, 220, 240 V
Dimensions (W x H x D)	430 x 98 x 285 mm (16⅞ x 3⅞ x 11⅛ inch)
Weight	4.8 kg (10.6 lb)

Technics

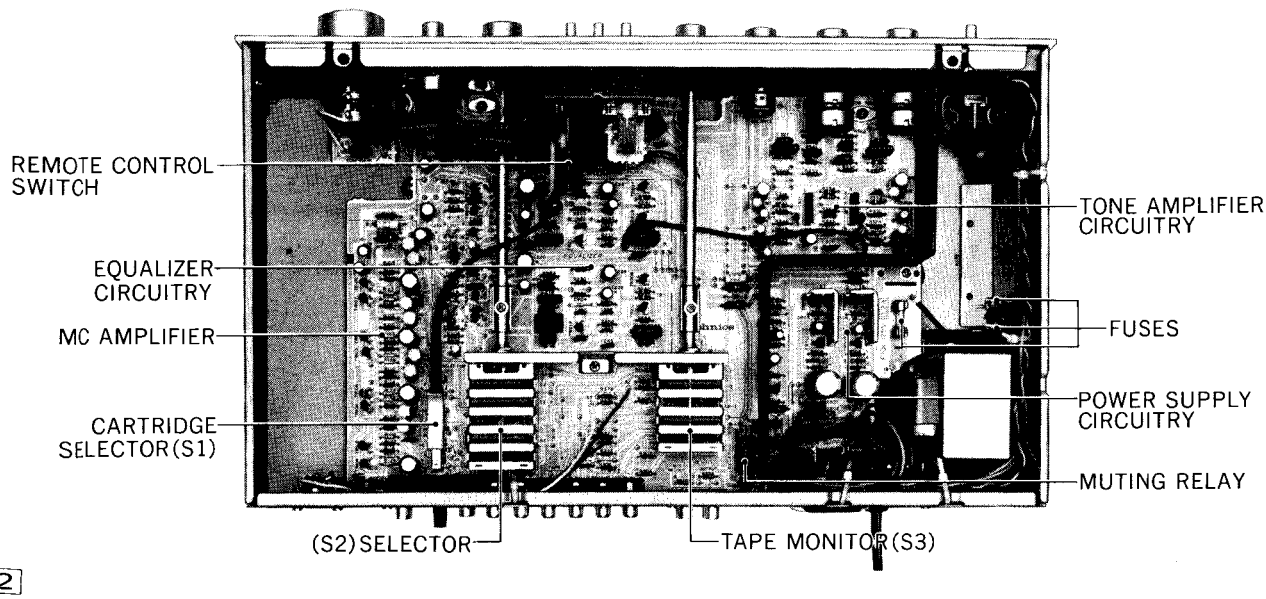
Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

■ LOCATION OF CONTROLS

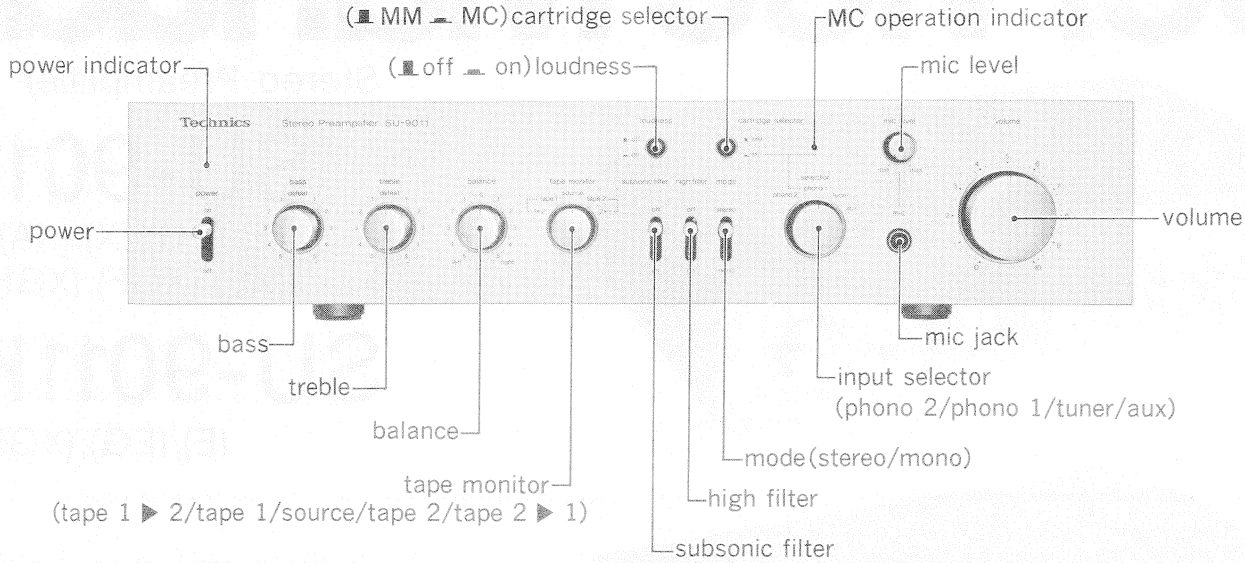


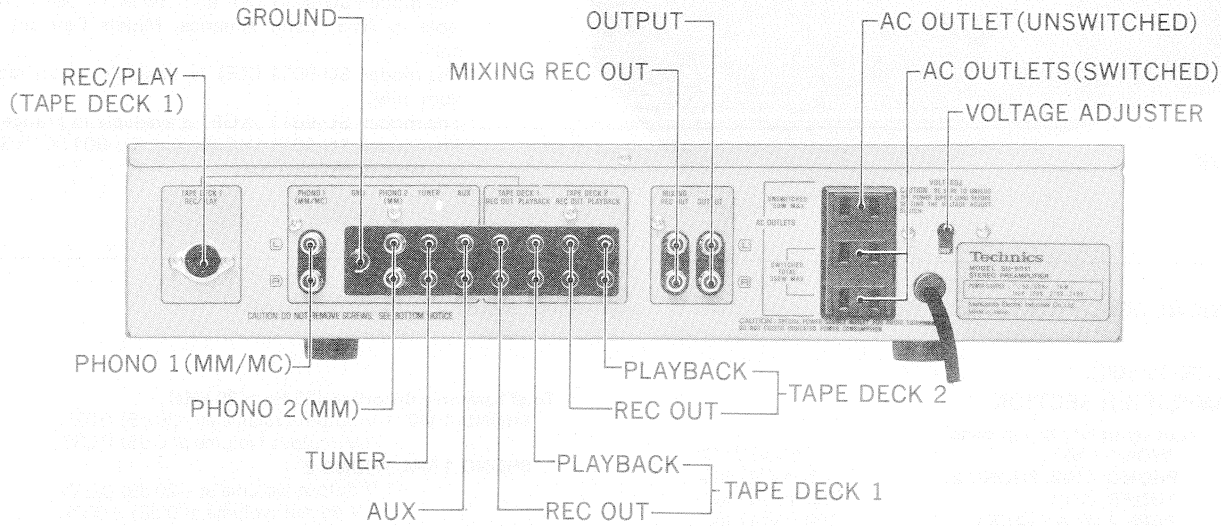


* This photo shows only the products for (X) and (XA).
* The products for other destinations except (X) and (XA) are not equipped with AC outlets.



■ LOCATION OF CONTROLS





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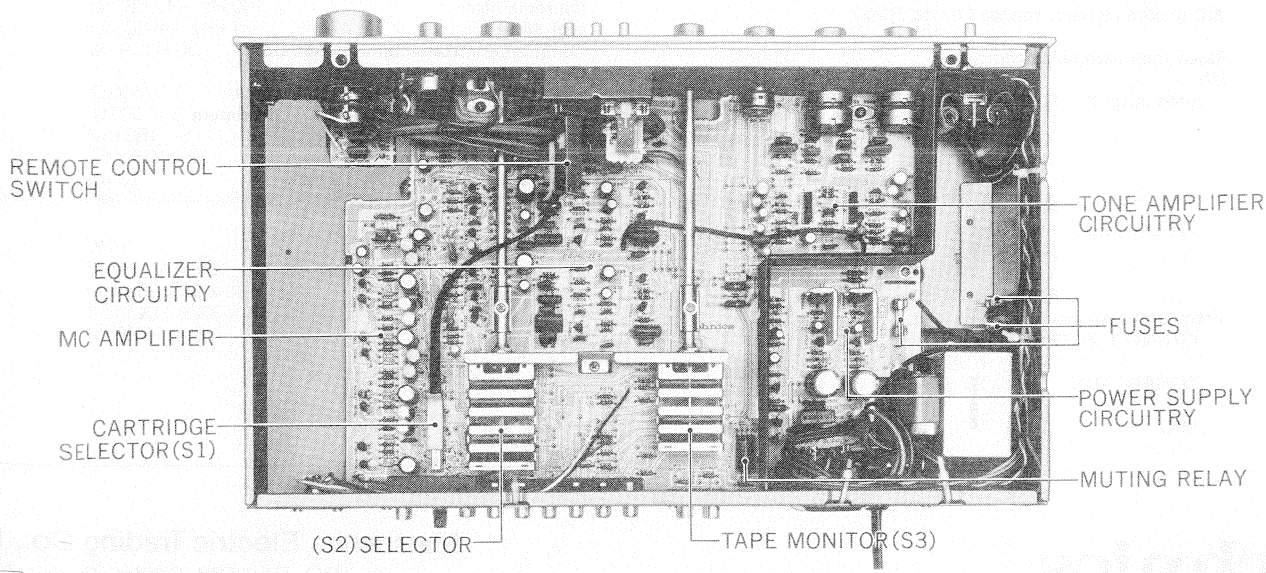
* The products for other destinations except (X) and (XA) are not equipped with AC outlets.



TECHNISCHE DATEN (Spezifikationen können infolge von Verbesserungen ohne Ankündigung geändert werden)

(DIN 45 500)

VERSTÄRKERTEIL

Eingangsempfindlichkeit & impedanz

PHONO 1 MC	70 μV/10 Ω
PHONO 1 MM, PHONO 2	2,5 mV/47 kΩ
TUNER, AUX	150 mV/47 kΩ
TAPE 2 (PLAYBACK)	150 mV/47 kΩ
TAPE 1 (PLAYBACK), REC/PLAY (Eingang)	180 mV/47 kΩ
MIC	4 mV/10 kΩ

PHONO maximale Eingangsspannungen (1 kHz, RMS)

PHONO 1 MC	6 mV
PHONO 1 MM, PHONO 2	200 mV

MIC Maximale Eingangsspannungen (1 kHz, RMS) 100 mV (T.H.D. 0,05%)

Nenn- Harmonische Verzerrungen 0,008%

Rauschabstand

Nennleistung	**PHONO 1 MC**	62 dB (IHF, A: 69 dB)
	PHONO 1 MM, PHONO 2	75 dB (IHF, A: 88 dB)
	TUNER, AUX	85 dB (IHF, A: 100 dB)
	MIC	65 dB (IHF, A: 73 dB)
–26 dB Leistung	**PHONO 1 MC**	60 dB
	PHONO 1 MM, PHONO 2	62 dB
	TUNER, AUX	63 dB
	MIC	60 dB

Frequenzgang

PHONO 1, 2 (30 Hz ~ 15 kHz)	RIAA standardkurve ±0,2 dB
TUNER, AUX	20 Hz ~ 20 kHz, +0, –0,2 dB 5 Hz ~ 40 kHz, –1 dB
MIC	20 Hz ~ 45 kHz, +0, –3 dB

Harmonische Verzerrung (20 Hz ~ 20 kHz)

PHONO 1 MC
1 V Ausgangs (Lautstärke bei –20 dB) 0,02%
3 V Ausgangs (Lautstärke bei 0 dB) 0,03%

PHONO 1 MM, PHONO 2
1 V Ausgangs (Lautstärke bei –20 dB) 0,01%
3 V Ausgangs (Lautstärke bei 0 dB) 0,008%

TUNER, AUX
1 V Ausgangs (Lautstärke bei –20 dB) 0,008%
3 V Ausgangs (Lautstärke bei 0 dB) 0,005%

Klangregler	
Bass (BÄSSE)	50 Hz +8 dB ~ –8 dB
Treble (HÖHEN)	20 kHz +8 dB ~ –8 dB
Unterschallfilter	30 Hz, –12 dB/oct
Höhenfilter	7 kHz –6 dB/oct
Gehörichtige Lautstärke (Lautstärke bei –30 dB)	50 Hz +9 dB

Ausgangsspannungen & Impedanz

OUTPUT, MIXING REC OUT	**Nennleistung**	1 V/600Ω
	max.	5 V/600Ω
TAPE 1, 2 (REC OUT)		150 mV
REC/PLAY (Aufnahme)		30 mV/82 kΩ
Kanaltrennung, AUX 1 kHz		53 dB

ALLGEMEINE DATEN

Leistungsaufnahme	16 W
Netzspannung (50/60 Hz)	110, 120, 220, 240 V
Abmessungen (B x H x T)	430 x 98 x 285 mm
Gewicht	4,8 kg

CARACTERISTIQUES TECHIQUES (Sujet à changement sans préaris.)

(DIN 45 500)

PARTIE AMPLIFICATEUR

Sensibilité et impédance d'entrée

PHONO 1 MC	70 μV/10 Ω
PHONO 1 MM, PHONO 2	2,5 mV/47 kΩ
TUNER, AUX	150 mV/47 kΩ
TAPE 2 (PLAYBACK)	150 mV/47 kΩ
TAPE 1 (PLAYBACK), REC/PLAY (entrée)	180 mV/47 kΩ
MIC	4 mV/10 kΩ

Tension maximum d'entrée PHONO (1 kHz, eff.)

PHONO 1 MC	6 mV
PHONO 1 MM, PHONO 2	200 mV

Tension maximum d'entrée MIC (1 kHz, eff.) 100 mV (T.H.D. 0,05%)

Distorsion harmonique totale nominale 0,008%

Rapport signal/bruit

pour la puissance nominale	
PHONO 1 MC	62 dB (IHF, A: 69 dB)
PHONO 1 MM, PHONO 2	75 dB (IHF, A: 88 dB)
TUNER, AUX	85 dB (IHF, A: 100 dB)
MIC	65 dB (IHF, A: 73 dB)
puissance de –26 dB	
PHONO 1 MC	60 dB
PHONO 1 MM, PHONO 2	62 dB
TUNER, AUX	63 dB
MIC	60 dB

Réponse de fréquence

PHONO 1, 2 (30 Hz ~ 15 kHz)	Courbe standard RIAA ±0,2 dB
TUNER, AUX	20 Hz ~ 20 kHz, +0, –0,2 dB 5 Hz ~ 40 kHz, –1 dB
MIC	20 Hz ~ 45 kHz, +0, –3 dB

Distorsion harmonique totale (20 Hz ~ 20 kHz)

PHONO 1 MC 1 V sortie (volume à –20 dB) 0,02%
3 V sortie (volume à 0 dB) 0,03%

PHONO 1 MM, PHONO 2
1 V sortie (volume à –20 dB) 0,01%
3 V sortie (volume à 0 dB) 0,008%

TUNER, AUX 1 V sortie (volume à –20 dB) 0,008%
3 V sortie (volume à 0 dB) 0,005%

Réglage de la tonalité	
Bass (graves)	50 Hz +8 dB ~ –8 dB
Treble (aigus)	20 kHz +8 dB ~ –8 dB
Filtrage infra-acoustique	30 Hz, –12 dB/oct
Filtre d'aigu	7 kHz –6 dB/oct
Correction physiologique (volume à –30 dB)	50 Hz +9 dB

Tension de sortie et Impédance

OUTPUT, MIXING REC OUT	
Pour la puissance nominale	1 V/600Ω
max.	5 V/600Ω
TAPE 1, 2 (REC OUT)	150 mV
REC/PLAY (sortie)	30 mV/82 kΩ
Séparation des canaux AUX 1 kHz	53 dB

GENERALITES

Consommation	16 W
Allmentation (50/60 Hz)	110, 120, 220, 240 V
Dimensions (L x H x P)	430 x 98 x 285 mm
Poids	4,8 kg

■ TO REMOVE THE CHASSIS

1. Remove 5 setscrews (①~④ in Fig. 1 and ⑤ in Fig. 2) which fasten the top board.
2. Remove the top board.
3. Remove 5 setscrews (⑥~⑩ in Fig. 1) of the front panel.
4. Remove 4 setscrews (⑪~⑭ in Fig. 2) of the rear panel.
5. Remove 2 setscrews (⑮ and ⑯ in Fig. 3) of the printed circuit board.
6. Cut off 2 leads at lead clamps (A and B in Fig. 3, Part No. SHR301).
7. Then the chassis can be removed as shown in Fig. 4.
8. When assembling the parts, make sure that wires are not caught between the chassis and the printed circuit board or the circuit board is completely fitted in the chassis, and then tighten up each setscrew.

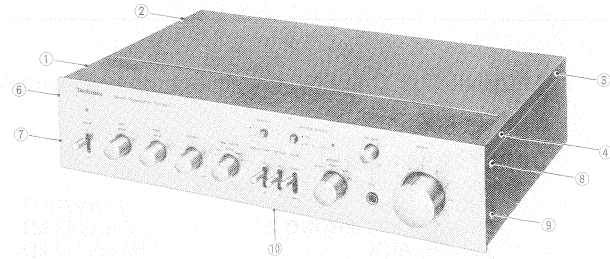


Fig. 1

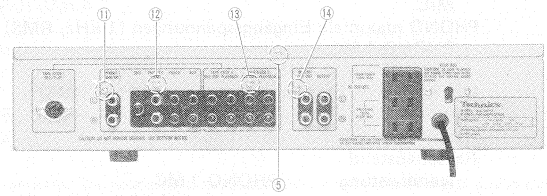


Fig. 2

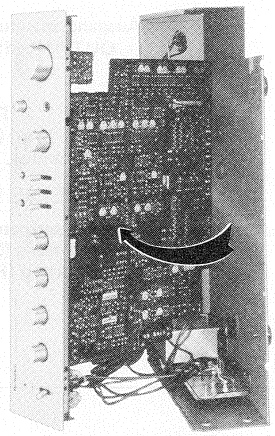


Fig. 4

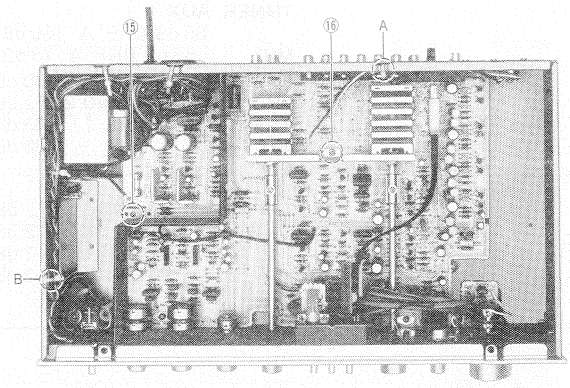
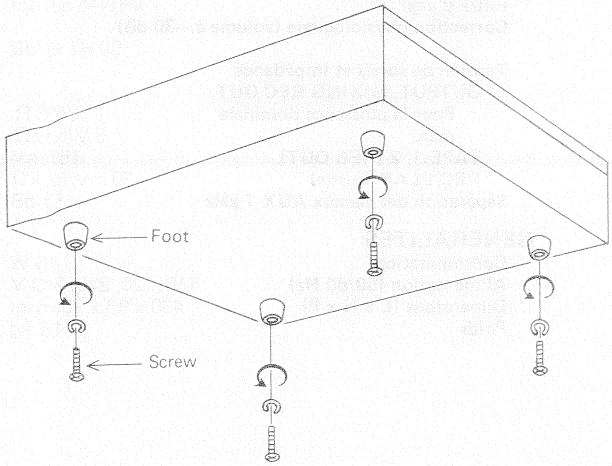


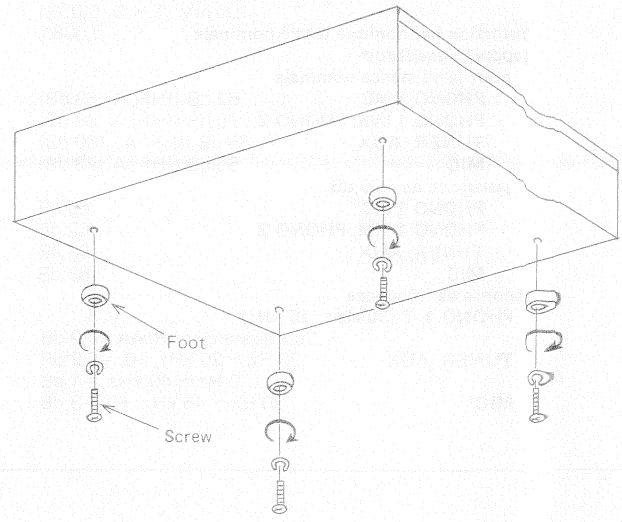
Fig. 3

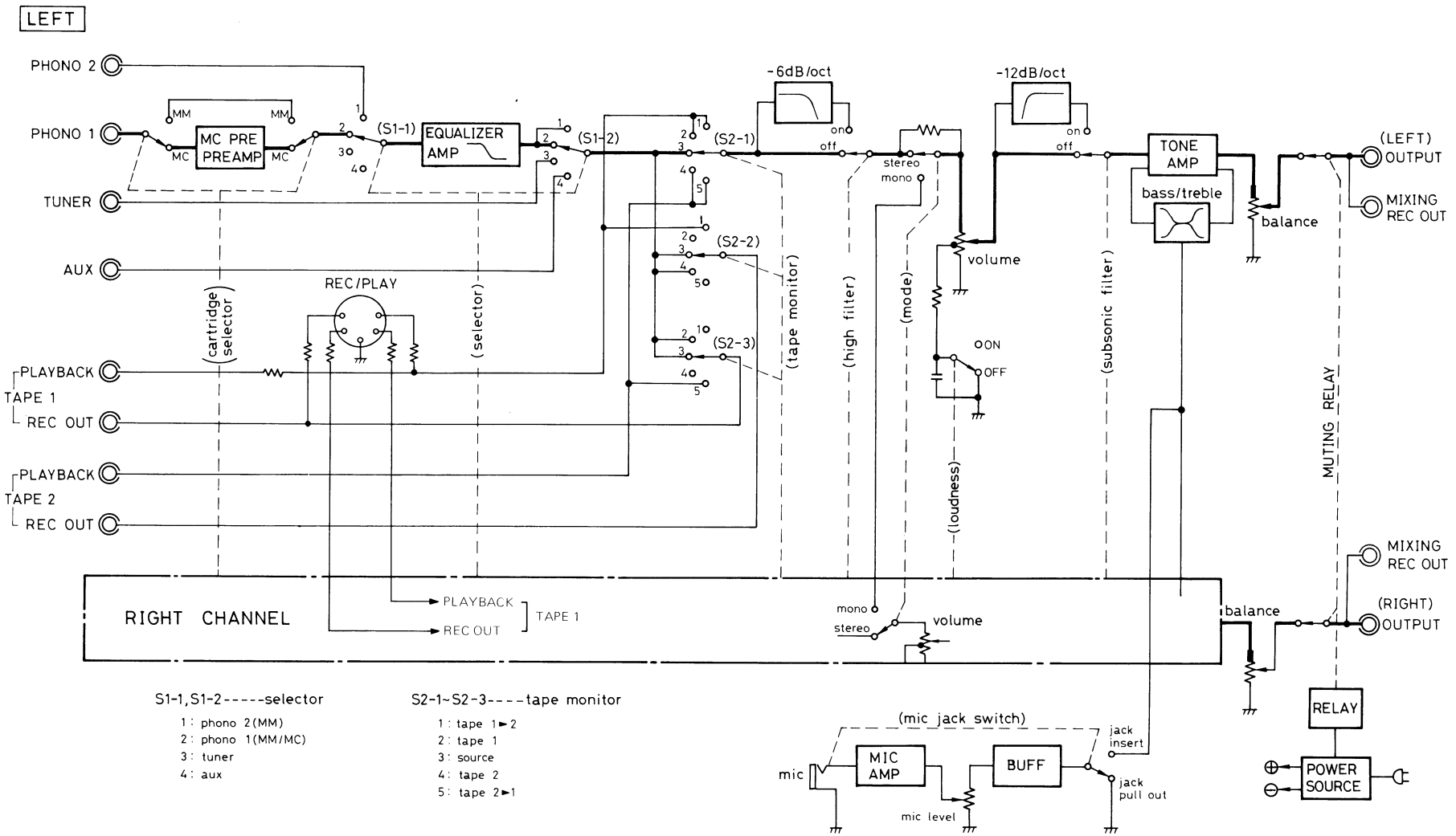
■ ATTACHMENT OF FEET (INCLUDED)

This unit has an extra set of 4 feet which, if installed, lower the height by 5mm, to 93mm.
These feet are especially useful if other audio components in this series (models SE-9021 and ST-9031) are stacked one on top of another.

• Attachment
① Remove the feet already attached to the bottom of the unit.
② Attach the other set of feet (included) by using the screws (also included). Use the same holes as for the original feet.





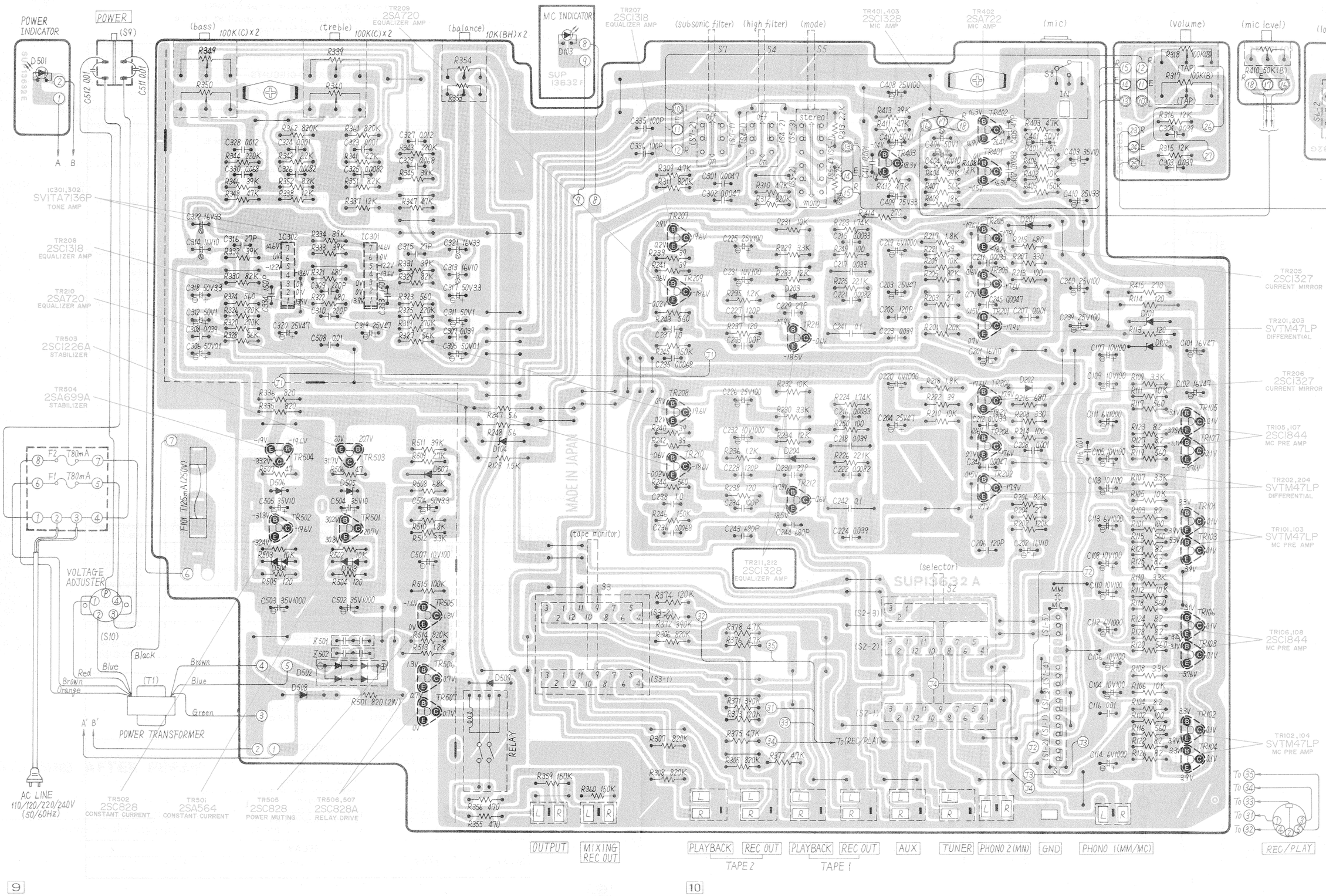


S1-1, S1-2-----selector
1 : phono 2(MM)
2 : phono 1(MM/MC)
3 : tuner
4 : aux

S2-1~S2-3----tape monitor
1 : tape 1►2
2 : tape 1
3 : source
4 : tape 2
5 : tape 2►1

■ PRINTED CIRCUIT BOARD WIRING VIEW

Earth (Ground) Lines



■ REPLACEMENT PARTS LIST ..... Electric Parts

NOTES 1:
1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. **S** indicates that only parts specified by the manufacturer be used for safety.

Ref. No.		Part No.	Part Name & Description	Per Set		Remarks
INTEGRATED CIRCUITS						
IC301, 302		SVITA7136P	IC, Tone Amplifier	2		
TRANSISTORS						
TR101, 102, 103, 104		SVTM47LP-T	Transistor, MC Pre-Preamplifier (Use in ranks S or T)	4		
TR105, 106, 107, 108		2SC1844-F	Transistor, MC Pre-Preamplifier	4		
TR201, 202, 203, 204		SVTM47LP-T	Transistor, Differential Amplifier (Use in ranks R, S or T)	4		
TR205, 206		**2SC1328-T**	Transistor, Current Mirror (Use in ranks S, T or U)	2		
TR207, 208		**2SC1318-R**	Transistor, Equalizer Output Amplifier (Use in ranks Q or R)	2		
TR209, 210		**2SA720-R**	Transistor, Equalizer Output Amplifier (Use in ranks Q or R)	2		
TR211, 212, 401, 403		**2SC1328-T**	Transistor, Equalizer & Mic Amplifier (Use in ranks S, T or U)	4		
TR402		**2SA902S-F**	Transistor, Mic Amplifier (Use in ranks F or G)	1		
TR501		**2SA666AI-R**	Transistor, Constant Current (Use in ranks P, Q or R)	1		
TR502, 505		**2SC1328-T**	Transistor, Constant Current & Muting (Use in ranks P, Q or R)	2		
TR503		**2SC1226A-Q**	Transistor, Voltage Stabilizer (Use in ranks P, Q or R)	1		
TR504		**2SA699A-R**	Transistor, Voltage Stabilizer (Use in ranks P, Q or R)	1		
TR506, 507		**2SC1328-T**	Transistor, Relay Driver (Use in ranks P, Q or R)	2		
DIODES						
D101, 102		MA1120	Diode, 12V Zener	2		
D103, 501		LN26RP	Light Emitting Diode, MC & Power Indicator	2		
D104		SVDMZ322	Diode, 22V Zener	1		
D201, 202, 203, 204		MA150	Diode, Current Mirror & Bias Supply	7		
507, 508, 509						
D502	S	SVDS1RBA20	Rectifier	1		
D503, 504		SVDMA26-2	Diode, Bias Supply	2		
D505, 506		MA1200	Diode, 20V Zener	2		
TRANSFORMER						
T1	S	SLT5M81	Transformer, Power Source	1		○
COMPONENT COMBINATIONS						
Z501, 502		EXRFS203ZS	Component Combination, Noise Killer	2		
FUSES						
F101	S	XBAS2A01201	Fuse, T125mA (250V)	1		○
F1, 2	S	XBAS2A00801	Fuse, T80mA (250V)	2		○
VARIABLE RESISTORS						
R317, 318		EWF05A031B15	Volume Control, 100kΩ (B)	1		
R339, 340		EWF9XA063C15	Treble Control, 100kΩ (C)	1		
R349, 350		EWF8XA063C15	Bass Control, 100kΩ (C)	1		
R353, 354		EWKKBA085679	Balance Control, 10kΩ (BH)	1		
R410		EVHCVA081B54	Mic Level Control, 50kΩ (B)	1		
SWITCHES						
S1		ESD80511	Switch, Cartridge Selector (P.C.B. Side)	1		
S2		SSR121	Switch, Input Selector	1		
S3		SSR123	Switch, Tape Monitor	1		
S4, 5, 7		SSL109	Switch, High Filter, Mode & Subsonic Filter	1		
S6		SSH91	Switch, Loudness	1		
S9	S	ESL21180	Switch, Power Source	1		
S10	S	ESE372	Switch, Voltage Adjuster	1		○
RELAY						
RELAY		SSY9	Relay, Output Muting	1		

NOTES 2:
Guide letters of Resistor and Capacitor indicate:

Resistors
ERD . . . .Carbon
ERO . . . .Metal film
ERQ . . . .Fuse type metallic
ERG . . . .Metal oxide

Capacitors
ECE. . . . . .Electrolytic
ECK . . . . .Ceramic
ECQM . . . .Polyester
ECQP. . . . .Polypropylen

ECC. . . . . .Ceramic
ECQE. . . . .Polyester
ECEⅡN . . .Non-Polar Electrolytic

Ref. No.		Part No.
RESISTORS		
R101, 102		**ERD25TJ101**
R103, 104		**ERD25TJ8R2**
R105, 106		ERO25CKG1002
R107, 108		**ERD25TJ332**
R109, 110		**ERD25TJ332**
R111, 112		ERO25CKG1002
R113	S	ERD12FJ121
R114	S	ERQ12HJ121
R115, 116		**ERD25TJ561**
R117, 118		**ERD25TJ561**
R119, 120		**ERD25TJ561**
R121, 122		**ERD25TJ8R2**
R123, 124		**ERD25TJ8R2**
R125, 126		**ERD25TJ8R2**
R127, 128		**ERD25TJ8R2**
R129	S	ERD12FJ152
R201, 202		**ERD25TJ124**
R203, 204		**ERD25TJ270**
R205, 206		ERO25CKG8202
R207, 208		**ERD25TJ331**
R209, 210		**ERD25TJ103**
R213, 214		**ERD25TJ101**
R215, 216		**ERD25TJ681**
R217, 218		**ERD14FJ182**
R221, 222		**ERD25TJ390**
R223, 224		ERO25CKF1741
R225, 226		ERO25CKF2212
R229, 230		**ERD25TJ332**
R231, 232		**ERD25TJ103**
R233, 234		**ERD25TJ123**
R235, 236		**ERD25TJ122**
R237, 238		**ERD25TJ121**
R239, 240		**ERD25TJ390**
R241, 242		**ERD25TJ390**
R243, 244		**ERD25TJ561**
R245, 246		**ERD25TJ154**
R247	S	ERQ12HJ5R6
R248	S	ERD12FJ5R6
R249, 250		**ERD25TJ101**
R305, 306		**ERD25TJ824**
R307, 308		**ERD25TJ824**
R309, 310		**ERD25TJ472**
R311, 312		**ERD25TJ824**
R313, 314		**ERD25TJ222**
R315, 316		**ERD25TJ123**
R319, 320		**ERD25TJ274**
R321, 322		**ERD25TJ681**
R323, 324		**ERD25TJ561**
R325, 326		**ERD25TJ224**
R327, 328		**ERD25TJ563**
R329, 330		**ERD25TJ823**

Ref. No.		Part No.
R331, 322		**ERD25TJ393**
R333, 334		**ERD25TJ393**
R335, 336	S	**ERD14FJ821**
R337, 338		**ERD25TJ123**
R341, 342		**ERD25TJ222**
R343, 344		**ERD25TJ224**
R345, 346		**ERD25TJ393**
R347, 348		**ERD25TJ473**
R351, 352		**ERD25TJ822**
R355, 356		**ERD25TJ471**
R359, 360		**ERD25TJ154**
R361, 362		**ERD25TJ824**
R371, 372		**ERD25TJ394**
R373, 374		**ERD25TJ124**
R375, 376		**ERD25TJ472**
R377, 378		**ERD25TJ472**
R401		**ERD25TJ681**
R402		**ERD25TJ103**
R403		**ERD25TJ473**
R404		**ERD25TJ393**
R405		**ERD25TJ154**
R406		**ERD25TJ122**
R407		**ERD25TJ563**
R408		**ERD25TJ122**
R409		**ERD25TJ183**
R411		**ERD25TJ473**
R412		**ERD25TJ472**
R413		**ERD25TJ393**
R414, 415	S	**ERD14FJ271**
R501		**ERG2ANJ821**
R502, 503		**ERD25TJ103**
R504, 505		**ERD25TJ121**
R506, 507		**ERD25TJ470**
R508		**ERD25TJ682**
R509		**ERD25TJ272**
R510		**ERD25TJ182**
R511		**ERD25TJ393**
R512		**ERD25TJ332**
R513	S	ERD12FJ122
R514		**ERD25TJ824**
R515		**ERD25TJ104**

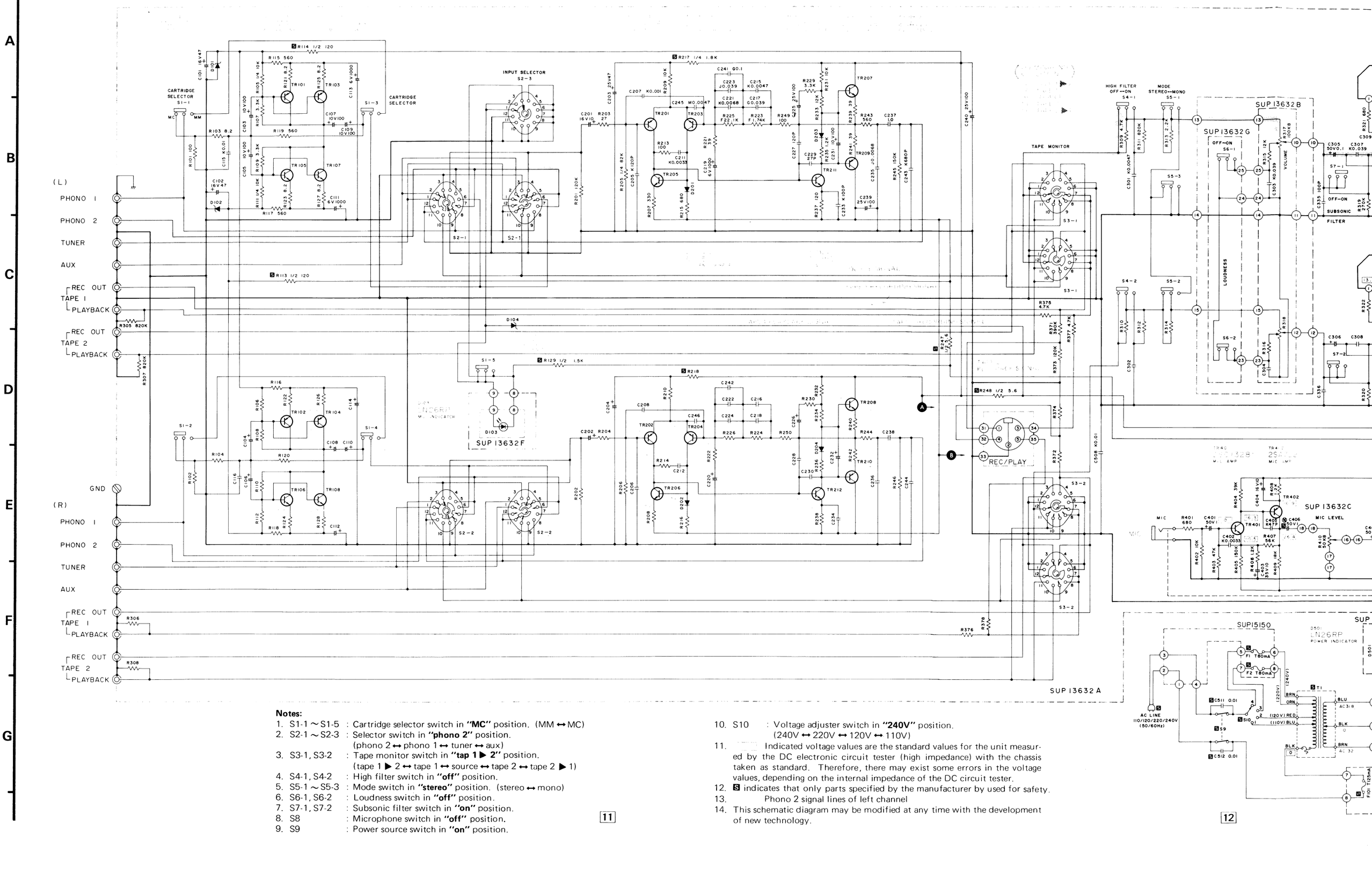
CAPACITORS		
C101, 102		**ECEA1ES470**
C103, 104		**ECEA10M100R**
C105, 106		**ECEA10M100R**
C107, 108		**ECEA10M100R**
C109, 110		**ECEA10M100R**
C111, 112		**ECEA0JS102**
C113, 114		**ECEA0JS102**
C115, 116		ECKD1H103MD
C201, 202		**ECEA16M10R**
C203, 204		**ECEA1ES470**

Ref. No.		Part No.
C205, 206		ECCD1H121K
C207, 208		ECKD1H102MD
C211, 212		ECKD1H332KB
C215, 216		ECQM1H472KZ
C217, 218		ECQP1393GZ
C219, 220		**ECEA0JS102**
C221, 222		ECQM1H682KZ
C223, 224		ECQM1H393JZ
C225, 226		**ECEA1ES101**
C227, 228		ECCD1H121K
C229, 230		ECCD1H270K
C231, 232		**ECEA1AS101**
C233, 234		ECCD1H101K
C235, 236		ECQM1H682KZ
C237, 238		ECQE1105MZ
C239, 240		**ECEA1ES101**
C241, 242		ECQP1104GZ
C243, 244		ECKD2H681KB
C245, 246		ECKD1H472MD
C301, 302		ECQM1H472KZ
C303, 304		ECQM1H393KZ
C305, 306		**ECEA50MR1R**
C307, 308		ECQM1H393KZ
C309, 310		ECKD2H221KB
C311, 312		**ECEA50M1R**
C313, 314	S	**ECEA16N10**
C315, 316		ECCD1H270K
C317, 318		**ECEA50Z3R3**
C319, 320		**ECEA1ES470**
C321, 322	S	**ECEA16N33**
C323, 324		ECQM1H102KZ
C325, 326		ECQM1H822KZ
C327, 328		ECQM1H123KZ
C329, 330		ECQM1H683KZ
C333, 334		ECCD1H151K
C335, 336		ECCD1H101K
C401		**ECEA50M1R**
C402		ECKD1H332KB
C403, 404		**ECEA1HS100**
C405		ECCD1H470K
C406	S	**ECEA50N1**
C407		**ECEA2AS010**
C408		**ECEA1ES101**
C409, 410		**ECEA1VS330**
C411		ECKD1H102KB
C502, 503		**ECEA1VS102**
C504, 505		**ECEA1HS100**
C506		**ECEA2AS3R3**
C507		**ECEA1AS101**
C508		ECKD1H103MD
C511, 512	S	ECSC4A103M

■ WIRING AFTER REPAIR

1. For the leads cut off when removing the chassis, secure them with lead clamps as they were.
2. Make sure that the leads on the back of the printed circuit board are not too much off the board.

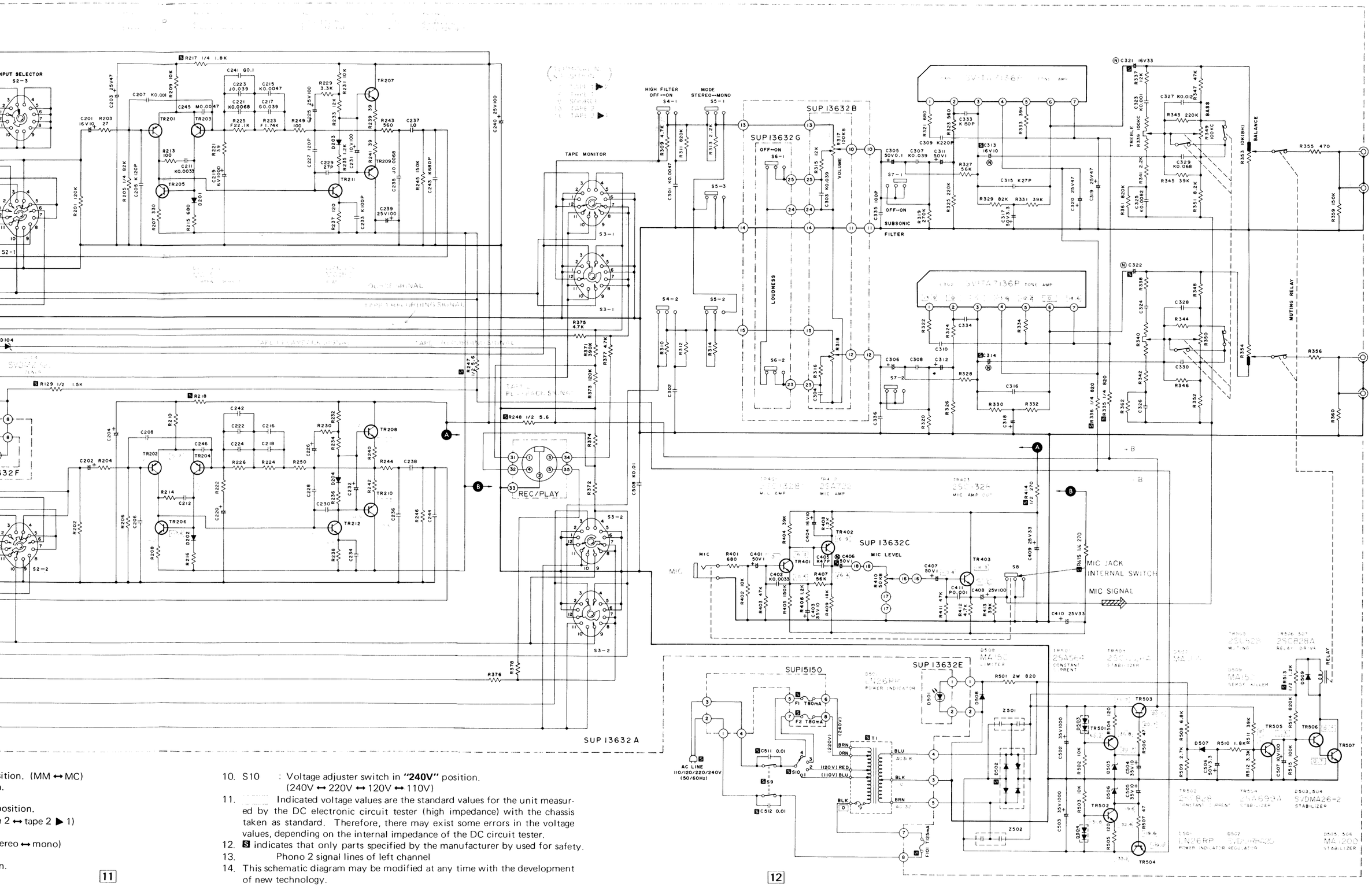
Schematic Diagram ..... Model SU-9011/SU-9011K (E, EG, XE, XGE, XGH)



Notes:

1. S1-1 ~ S1-5 : Cartridge selector switch in **"MC"** position. (MM ↔ MC)
2. S2-1 ~ S2-3 : Selector switch in **"phono 2"** position. (phono 2 ↔ phono 1 ↔ tuner ↔ aux)
3. S3-1, S3-2 : Tape monitor switch in **"tap 1 ▶ 2"** position. (tape 1 ▶ 2 ↔ tape 1 ↔ source ↔ tape 2 ↔ tape 2 ▶ 1)
4. S4-1, S4-2 : High filter switch in **"off"** position.
5. S5-1 ~ S5-3 : Mode switch in **"stereo"** position. (stereo ↔ mono)
6. S6-1, S6-2 : Loudness switch in **"off"** position.
7. S7-1, S7-2 : Subsonic filter switch in **"on"** position.
8. S8 : Microphone switch in **"off"** position.
9. S9 : Power source switch in **"on"** position.
10. S10 : Voltage adjuster switch in **"240V"** position. (240V ↔ 220V ↔ 120V ↔ 110V)
11. Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
12. **S** indicates that only parts specified by the manufacturer by used for safety.
13. Phono 2 signal lines of left channel
14. This schematic diagram may be modified at any time with the development of new technology.

5 6 7 8 9 10 11 12 13 14 15 16



ition. (MM ↔ MC)
.
position.
e 2 ↔ tape 2 ▶ 1)
ereo ↔ mono)
n.

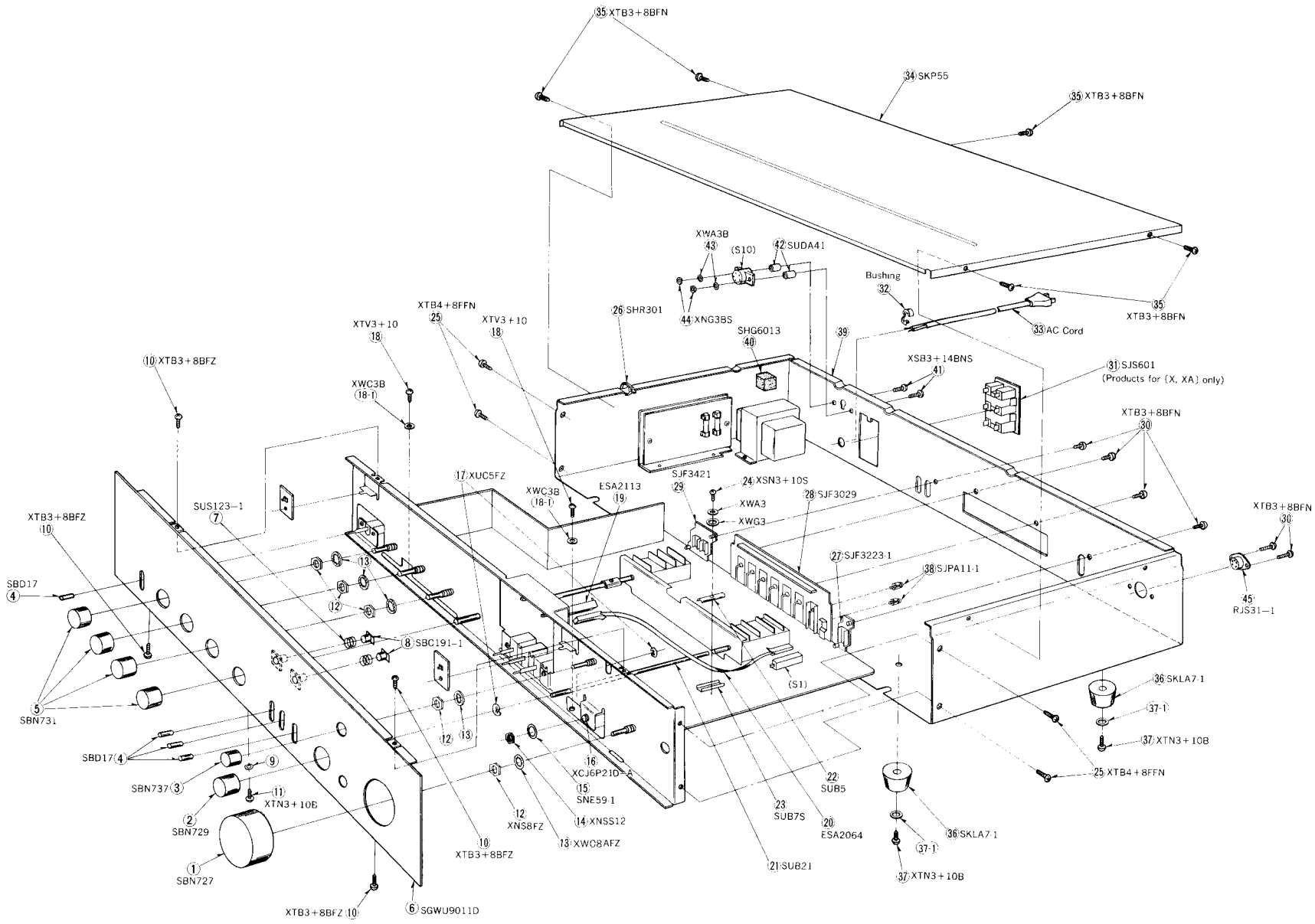
11

10. S10 : Voltage adjuster switch in **"240V"** position. (240V ↔ 220V ↔ 120V ↔ 110V)
11. Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
12. **S** indicates that only parts specified by the manufacturer by used for safety.
13. Phono 2 signal lines of left channel
14. This schematic diagram may be modified at any time with the development of new technology.

12

13

■ EXPLODED VIEW



■ REPLACEMENT PARTS LIST

NOTES 1:
1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. **S** indicates that only parts specified by the manufacturer be used for safety.

Ref. No.		Part No.	Part Name & Description	Per Set		Remarks
CABINET and CHASSIS PARTS						
1		SBN727	Knob, Volume Control	1		
2		SBN729	Knob, Selector Switch	1		
3		SBN737	Knob, Mic Level Control	1		
4		SBD17	Knob, Lever Switches	4		
5		SBN731	Knob, Bass, Treble, Balance & Tape Monitor	4		
6		SGWU9011D	Panel, Front Ass'y	1		○
7		SUS123-1	Spring, Push Switches	2		
8		SBC191-1	Button, Push Switches	2		○
9		XWG3	Washer	1		
10		XTB3+8BFZ	Screw, Front Panel M'tg	4		
11		XTN3+10B	Screw, Front Panel M'tg	1		
12		XNS8FZ	Nut, Control Volume Shaft M'tg	5		
13		XWC8AFZ	Washer, Control Volume Shaft M'tg	5		
14		XNSS12	Nut, Microphone Jack M'tg	1		
15		SNE59-1	Washer, Microphone Jack M'tg	1		
16		XCJ6P21D-A	Jack, Microphone	1		
17		XUC5FZ	Circlip	4		
18		XTV3+10	Screw, P.C.B. M'tg	2		
18-1		XWC3B	Washer	2		
19		ESA2113	Switch, Remote Control	1		
20		ESA2064	Wire, Remote Control Switch	1		
21		SUB21	Coupling Rod, Selector & Tape Switch	2		
22		SUB5	Bracket, Coupler	2		
23		SUB7S	Bracket, Coupler	2		
24		XSN3+10S	Screw, Coupler Bracket M'tg	2		
25		XTB4+8FFN	Screw, Chassis M'tg	4		
26		SHR301	Clamp, Lead Wire	1		
27		SJF3223-1	Terminal, PHONO 1 Input	1		
28		SJF3029	Terminal, Phono, Tuner, Tape Deck	1		
29		SJF3421	Terminal, Output	1		
30		XTB3+8BFN	Screw, Terminals & DIN Socket M'tg	6		
31 [X, XA] only		SJS601	Socket, AC Outlet	1		
32		SHR127	Bushing, AC Cord	1		
32 [XE] only		SHR129	Bushing, AC Cord	1		
33	S	RJA23ZC	AC Cord, with Plug	1		
33 [X, XA] only	S	SJA97	AC Cord, with Plug	1		
33 [XE] only	S	RJA45ZC	AC Cord	1		
34		SKP55	Top Board	1		
35		XTB3+8BFN	Screw, Top Board M'tg	5		
36		SKLA7-1	Foot, Set	4		
37		XTN3+10B	Screw, Feet M'tg	4		
37-1		XWG3	Washer	4		
38		SJPA11-1	Short Pin, PHONO 2 Input Terminal	2		
39 [E] only		SGP1590A	Rear Panel (w/Chassis)	1		○
39 [X, XA] only		SGP1590-1A	Rear Panel (w/Chassis)	1		○
39		SGPU9011D	Rear Panel, SGP1590A with Name Plate SGT17230 (EG, XE, XGF, XGH)	1		○
40		SHG6013	Rubber Cushion	1		○
41		XSB3+14BNS	Screw, Voltage Adjuster M'tg	2		
42		SUDA41	Sleeve, Voltage Adjuster	2		*
43		XWA3B	Washer	2		
44		XNG3BS	Nut, Voltage Adjuster M'tg	2		
45		RJS31-1	Socket, DIN (REC/PLAY)	1		

NOTES 2:
(E) and (EG) are available in Scandinavia and European only.
(X) and (XA) are available in Asia, Latin America, Middle East and Africa only.
(XE) is available in United Kingdom only.
(XGF) is available in France only.
(XGH) is available in Holland only.

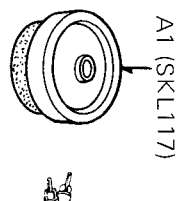
SU-9011K

(E), (EG), (XGH)

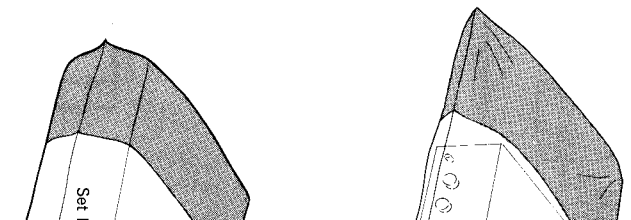
Note: This parts list included only the changes of the model SU-9011 parts list.

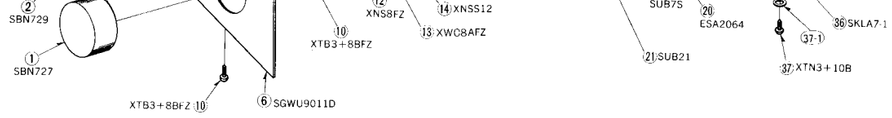
Ref. No.	Change of Part No. SU-9011 → SU-9011K		Part Name & Description	Per Set (Pcs.)		Remarks
CABINET and CHASSIS PARTS						
1	SBN727	SBN727-1	Knob, Volume Control	1		○
2	SBN729	SBN729-1	Knob, Selector Switch	1		○
3	SBN737	SBN737-1	Knob, Mic Level Control	1		○
4	SBD17	SBD17-1	Knob, Lever Switches	4		○
5	SBN731	SBN731-1	Knob, Bass, Treble, Balance & Tape Monitor	4		○
6	SGWU9011D	SGWU9011KD	Panel, Front Ass'y	1		○
8	SBC191-1	SBC191-2	Button, Push Switches	2		
25	XTB4+8FFN	XTB4+8BFZ	Screw, Chassis M'tg	4		
30	XTB3+8BFN	XTB3+8BFZ	Screw, Terminals & DIN Socket M'tg	6		
32	SHR127 SHR129	SHR127	Bushing, AC Cord	1		
33	RJA23ZC SJA97 [X, XA] RJA45ZC [XE]	RJA23ZC	AC Cord	1		
34	SKP55	SKP55-2	Top Board	1		
35	XTB3+8BFN	XTB3+8BFZ	Screw, Top Board M'tg	5		
39	SGP1590A [E] SGP1590-1A [X, XA] SGPU9011D	SGP1590B [E] only SGPU9011KD [EG, XGH]	Rear Panel (w/Chassis) Rear Panel, SGP1590B with Name Plate (SGT17250)	1 1		○ ○
41	XSB3+14BNS	XSB3+14FZS	Screw, Voltage Adjuster M'tg	2		
ACCESSORIES						
A5	SJP5213-1 [X, XA]	Deletion	– – – – – – – – – – – – – – – – – –	0		
A6	SJP5215 [X, XA]	Deletion	– – – – – – – – – – – – – – – – – –	0		
PACKING PARTS						
P5	SPS1823 [X, XA]	Deletion	– – – – – – – – – – – – – – – – – –	0		
P6	SPG1671 SPG1675 [X, XA] SPG1673 [XGF]	SPG1677	Carton Box	1		○
P7	SQF1981 SQF1983 [X, XA, XE]	SQF1981	Instructions Book, Printed Matter	1		

■ ACCESSORIES



■ PACKINGS





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1		SBN727	Knob, Volume Control	1		
2		SBN729	Knob, Selector Switch	1		
3		SBN737	Knob, Mic Level Control	1		
4		SBD17	Knob, Lever Switches	4		
5		SBN731	Knob, Bass, Treble, Balance & Tape Monitor	4		
6		SGWU9011D	Panel, Front Ass'y	1		○
7		SUS123-1	Spring, Push Switches	2		
8		SBC191-1	Button, Push Switches	2		○
9		XWG3	Washer	1		
10		XTB3+8BFZ	Screw, Front Panel M'tg	4		
11		XTN3+10B	Screw, Front Panel M'tg	1		
12		XNS8FZ	Nut, Control Volume Shaft M'tg	5		
13		XWC8AFZ	Washer, Control Volume Shaft M'tg	5		
14		XNSS12	Nut, Microphone Jack M'tg	1		
15		SNE59-1	Washer, Microphone Jack M'tg	1		
16		XCJ6P21D-A	Jack, Microphone	1		
17		XUC5FZ	Circlip	4		
18		XTV3+10	Screw, P.C.B. M'tg	2		
18-1		XWC3B	Washer	2		
19		ESA2113	Switch, Remote Control	1		
20		ESA2064	Wire, Remote Control Switch	1		
21		SUB21	Coupling Rod, Selector & Tape Switch	2		
22		SUB5	Bracket, Coupler	2		
23		SUB7S	Bracket, Coupler	2		
24		XSN3+10S	Screw, Coupler Bracket M'tg	2		
25		XTB4+8FFN	Screw, Chassis M'tg	4		
26		SHR301	Clamp, Lead Wire	1		
27		SJF3223-1	Terminal, PHONO 1 Input	1		
28		SJF3029	Terminal, Phono, Tuner, Tape Deck	1		
29		SJF3421	Terminal, Output	1		
30		XTB3+8BFN	Screw, Terminals & DIN Socket M'tg	6		
31 [X, XA] only		SJS601	Socket, AC Outlet	1		
32		SHR127	Bushing, AC Cord	1		
32 [XE] only		SHR129	Bushing, AC Cord	1		
33	S	RJA23ZC	AC Cord, with Plug	1		
33 [X, XA] only	S	SJA97	AC Cord, with Plug	1		
33 [XE] only	S	RJA45ZC	AC Cord	1		
34		SKP55	Top Board	1		
35		XTB3+8BFN	Screw, Top Board M'tg	5		
36		SKLA7-1	Foot, Set	4		
37		XTN3+10B	Screw, Feet M'tg	4		
37-1		XWG3	Washer	4		
38		SJPA11-1	Short Pin, PHONO 2 Input Terminal	2		
39 [E] only		SGP1590A	Rear Panel (w/Chassis)	1		○
39 [X, XA] only		SGP1590-1A	Rear Panel (w/Chassis)	1		○
39		SGPU9011D	Rear Panel, SGP1590A with Name Plate SGT17230 (EG, XE, XGF, XGH)	1		○
40		SHG6013	Rubber Cushion	1		○
41		XSB3+14BNS	Screw, Voltage Adjuster M'tg	2		
42		SUDA41	Sleeve, Voltage Adjuster	2		*
43		XWA3B	Washer	2		
44		XNG3BS	Nut, Voltage Adjuster M'tg	2		
45		RJS31-1	Socket, DIN (REC/PLAY)	1		

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SU-9011K
(E), (EG), (XGH)

Note: This parts list included only the changes of the model SU-9011 parts list.

Ref. No.	Change of Part No. SU-9011 → SU-9011K		Part Name & Description	Per Set (Pcs.)		Remarks
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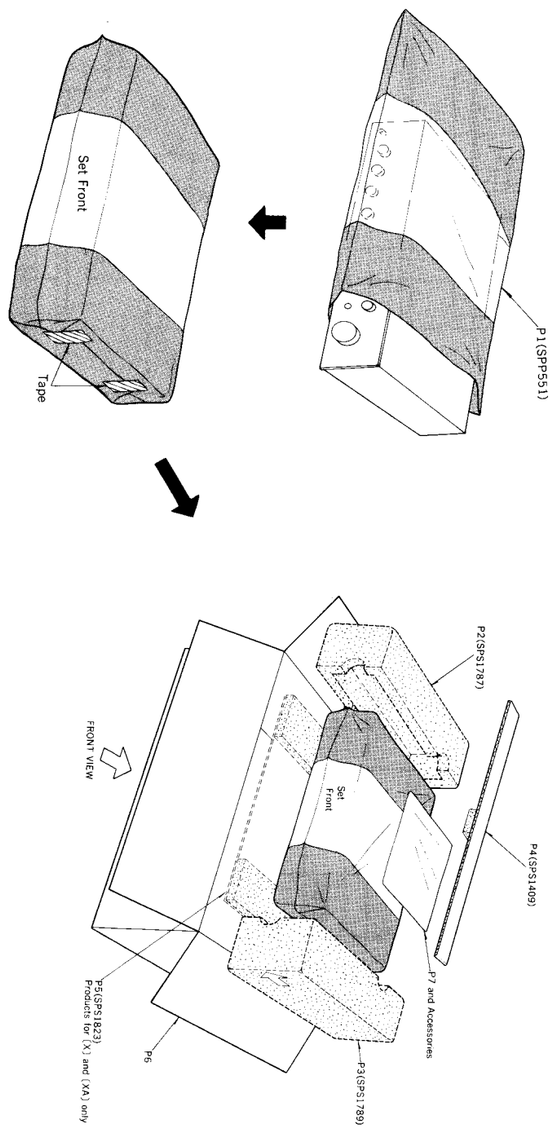
2	SBN729	SBN729-1	Knob, Selector Switch	1		○
3	SBN737	SBN737-1	Knob, Mic Level Control	1		○
4	SBD17	SBD17-1	Knob, Lever Switches	4		○
5	SBN731	SBN731-1	Knob, Bass, Treble, Balance & Tape Monitor	4		○
6	SGWU9011D	SGWU9011KD	Panel, Front Ass'y	1		○
8	SBC191-1	SBC191-2	Button, Push Switches	2		
25	XTB4+8FFN	XTB4+8BFZ	Screw, Chassis M'tg	4		
30	XTB3+8BFN	XTB3+8BFZ	Screw, Terminals & DIN Socket M'tg	6		
32	SHR127 SHR129	SHR127	Bushing, AC Cord	1		
33	RJA23ZC SJA97 [X, XA] RJA45ZC [XE]	RJA23ZC	AC Cord	1		
34	SKP55	SKP55-2	Top Board	1		
35	XTB3+8BFN	XTB3+8BFZ	Screw, Top Board M'tg	5		
39	SGP1590A [E] SGP1590-1A [X, XA] SGPU9011D	SGP1590B [E] only SGPU9011KD [EG, XGH]	Rear Panel (w/Chassis) Rear Panel, SGP1590B with Name Plate (SGT17250)	1 1		○ ○
41	XSB3+14BNS	XSB3+14FZS	Screw, Voltage Adjuster M'tg	2		
ACCESSORIES						
A5	SJP5213-1 [X, XA]	Deletion	– – – – – – – – – – – – – – – – – –	0		
A6	SJP5215 [X, XA]	Deletion	– – – – – – – – – – – – – – – – – –	0		
PACKING PARTS						
P5	SPS1823 [X, XA]	Deletion	– – – – – – – – – – – – – – – – – –	0		
P6	SPG1671 SPG1675 [X, XA] SPG1673 [XGF]	SPG1677	Carton Box	1		○
P7	SQF1981 SQF1983 [X, XA, XE]	SQF1981	Instructions Book, Printed Matter	1		

■ ACCESSORIES

■ PACKINGS



Ref. No.		Part No.	Part Name & Description	Per Set		Remarks
ACCESSORIES						
A1		SKL117	Foot	4		
A2		SJP2129-1	Cord, Connector	1		
A3		XTN3+6B	Screw, Feet M'tg } XTW3+6B	4		
A4		XWG3	Washer	4		
A5 [X, XA] only	S	SJP5213-1	Plug Adapter, AC Power	1		
A6 [X, XA] only	S	SJP5215	Plug Adapter, AC Power	1		
PACKING PARTS						
P1		SPP551	Polyethylene Bag	1		○
P2		SPS1787	Pad, Left Side	1		○
P3		SPS1789	Pad, Right Side	1		
P4		SPS1409	Pad, Upper Side	1		
P5 [X, XA] only		SPS1823	Pad, Lower Side	1		○
P6		SPG1671	Carton Box	1		○
P6 [X, XA] only		SPG1675	Carton Box	1		○
P6 [XGF] only		SPG1673	Carton Box	1		○
P7		SQF1981	Instructions Book, Printed Matter	1		○
P7 [X, XA, XE] only		SQF1983	Instructions Book, Printed Matter	1		○

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